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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Application Number</b>	10/046,864
				<b>Filing Date</b>	1/13/02
				<b>First Named Inventor</b>	Steven Teig
				<b>Group Art Unit</b>	2825
				<b>Examiner Name</b>	Lin, Sun J.
<b>Sheet</b>	1	of	7	<b>Attorney Docket Number</b>	SPLX.P0052

U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number Kind Code <sup>2</sup> (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
	3.	2003/0005 399	A1	01-02-2003	Igarashi et al.	
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	18.	6,128,767		10-03-2000	Chapman	
	19.	6,150,193		11-21-2000	Glenn	
	20.	6,209,123	B1	03-27-2001	Maziasz et al.	

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<b>Sheet</b>	2	<b>of</b>	7	<b>Attorney Docket Number</b>	SPLX.P0052

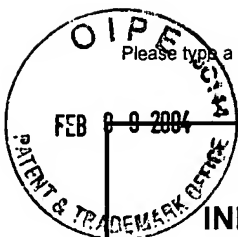
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	41.	6,567,967	B2	05-20-2003	Greidinger et al.	

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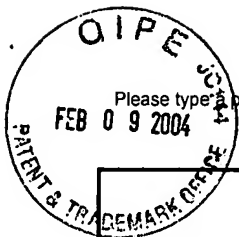
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Cod (if known)				
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	43.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
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	47.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English	√

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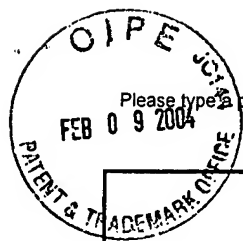
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							translation of Abstract; and with English translation of the application.

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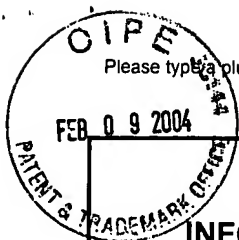
NON PATENT LITERATURE DOCUMENTS				
Examiner* Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>	
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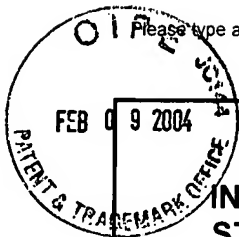
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Application Number</b>	10/046,864
				<b>Filing Date</b>	1/13/02
				<b>First Named Inventor</b>	Steven Teig
				<b>Group Art Unit</b>	2825
				<b>Examiner Name</b>	Lin, Sun J.
<b>Sheet</b>	7	<b>of</b>	7	<b>Attorney Docket Number</b>	SPLX.P0052

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First Named Inventor				Steven Teig	
Group Art Unit					
Examiner Name					
Attorney Docket Number				SPLX.P0052	
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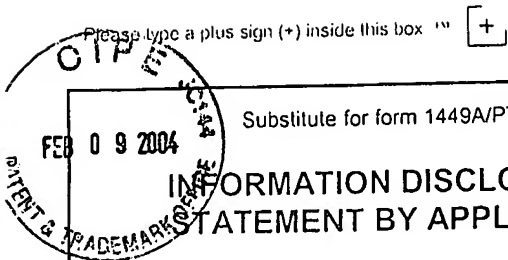
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				Attorney Docket Number SPLX.P0052			

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First Named Inventor	Steven Teig
Group Art Unit	
Examiner Name	
Attorney Docket Number	SPLX.P0052

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		Office <sup>3</sup>	Number <sup>1</sup>	Kind Code (if known) <sup>2</sup>				
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				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	4	of	4	Attorney Docket Number	SPLX.P0052

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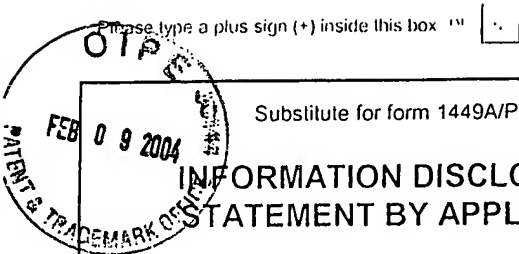
Examiner's Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
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Attorney Docket Number	SPLX.P0052

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**RELATED U.S. PATENT DOCUMENTS**

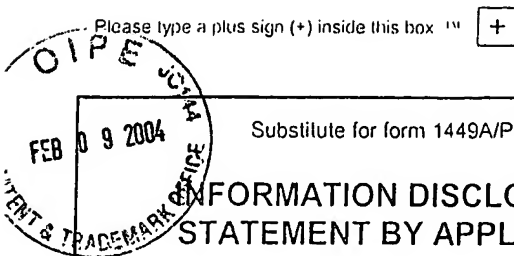
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	1.	2003/0079193	12/07/2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/079193.
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	25.	2002/0124231		12/15/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	26.	S/N 09/739,589		12/15/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	27.	S/N 09/742,171		12/19/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	28.	2003/0121015		12/19/2000	Steven Teig et al.	Continuation of parent 2002/0100007.
	29.	2002/0069397		01/13/2002	Steven Teig et al.	CIP of parent 2002/0100007.
	30.	2002/0170027		02/20/2002	Steven Teig et al.	CIP of parent 2002/0100007.
	31.	2002/0157075		02/20/2002	Steven Teig et al.	CIP of parent 2002/0100007.
	32.	2003/0088841		12/23/2002	Steven Teig et al.	Application regarding related placement technology.

Examiner Signature		Date Considered	
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9-26-03

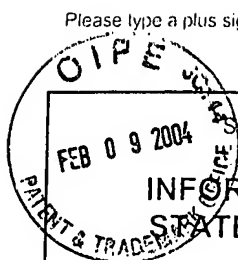
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Substitute for form 1449A/PTO			Application Number	10/046,864	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Filing Date	1/13/02	
			First Named Inventor	Steven Teig	
			Group Art Unit		
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	SPLX.P0052

## U.S. PATENT DOCUMENTS

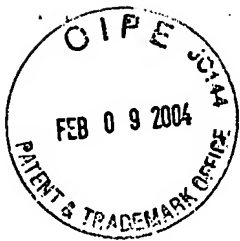
Examiner' Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
	1.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Previously specified
	4.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Previously specified
	5.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Previously specified
	6.	2003/0088844 S/N 10/041,957		01-07-2002	Steven Teig et al.	Previously specified
	7.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Previously specified
	8.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Previously specified
	9.	2002/0124231 S/N 09/739,580		12-15-2000	Steven Teig et al.	Previously specified
	10.	2003/0121015 S/N 09/745,067		12-19-2000	Steven Teig et al.	Previously specified
	11.	2002/0166105 S/N 10/040,948		01-05-2002	Steven Teig et al.	Previously Specified
	12.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Previously specified
	13.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature		Date Considered	
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Serial/Patent No.: 10/046,864  
Filing Date: 1/13/02  
Atty Docket: SPLX.P0052  
Applicant(s): Steven Teig

Atty/Secty: MA/ka  
Date Mailed: 9/26/2003

TITLE: Method and Apparatus for Pre-Computing Attributes of Routes

*The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:*

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2. Information Disclosure Statement (3 pages)
3. Form PTO-1449 (1 page)
4. (13) cited references







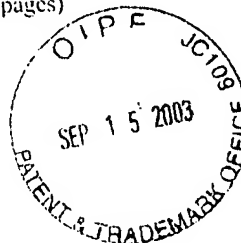
Serial/Patent No.: 10/046,864  
Filing Date: 1/13/02  
Atty Docket: SPLX.P0052  
Applicant(s): Steven Teig

Atty/Sec'y: MA/ka  
Date Mailed: 9/12/2003

TITLE: Method and Apparatus for Pre-Computing Attributes of Routes

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Serial/Patent No.: 10/046,864  
Filing Date: 1/13/02  
Atty Docket: SPLX.P0052  
Applicant(s): Steven Teig

Atty/Secy: MA/sl  
Date Mailed: 4/23/2003

TITLE: Method and Apparatus for Pre-Computing Attributes of Routes

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3. Form PTO-1449 (5 pages)
4. (S7) cited references

